

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Massimo BRIOSCHI, et al. Attorney Docket Q64029

Appln. No.: not yet assigned Group Art Unit: not yet assigned

Confirmation No.: not yet assigned Examiner: Not yet assigned

Filed: April 13, 2001

For: METHOD AND APPARATUS FOR AUTOMATIC DELAY COMPENSATION IN
SPACE DIVERSITY RADIO TRANSMISSIONS

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

7. (Amended) A computer program comprising computer program code means adapted to perform all the steps of claim 1 when said program is run on a computer.

8. (Amended) A computer-readable medium having a program recorded thereon, said computer-readable medium comprising computer program code means adapted to perform all the steps of claim 1 when said program is run on a computer.

IN THE ABSTRACT:

Please delete the present Abstract of the Disclosure and replace it with the following new Abstract of the Disclosure.

ABSTRACT OF THE DISCLOSURE

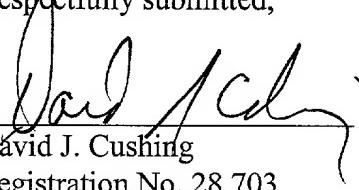
A method and apparatus is described for the automatic delay compensation in space diversity radio transmissions. The method includes the steps of: a) receiving a first analog signal and a second analog signal, a possible delay being between the first and second signals; b) sampling the first and the second analog signals to obtain a first digital signal and a second digital signal, respectively; c) sending the digital signals to respective equalizers, and the steps of d) digitally delaying one of the first digital signal and the second digital signal by a period equal to an integral multiple of the sampling period, and e) recovering, at the equalization phase, the residual difference between the imposed delay and the actual one.

PRELIMINARY AMENDMENT
Attorney Docket Q64029

REMARKS

Entry and consideration of this Amendment are respectfully requested.

Respectfully submitted,


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Date: April 13, 2001

APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

7. (Amended) A computer program comprising computer program code means adapted to perform all the steps of ~~claims 1 to 3~~ claim 1 when said program is run on a computer.
8. (Amended) A computer-readable medium having a program recorded thereon, said computer-readable medium comprising computer program code means adapted to perform all the steps of ~~claims 1 to 3~~ claim 1 when said program is run on a computer.

IN THE ABSTRACT OF DISCLOSURE:

The abstract is changed as follows:

ABSTRACT OF THE DISCLOSURE

A method and apparatus is described for the automatic delay compensation in space diversity radio transmissions. The method ~~comprises~~includes the steps of: a) receiving a first analog signal and a second analog signal, a possible delay being between the first and second signals; b) sampling ~~said~~the first and ~~said~~the second analog signals to obtain a first digital signal and a second digital signal, respectively; c) sending ~~said~~the digital signals to respective equalizers, and the steps of d) digitally delaying one of the first digital signal and the second digital signal by a period equal to an integral multiple of the sampling period, and e) recovering, at the equalization phase, the residual difference between the imposed delay and the actual one.